

ABSTRACT OF THE DISCLOSURE

5 A circuit for closing a relay when an active AC
voltage connected to one of the contacts of the relay is
approximately zero volts includes a monitoring circuit
that monitors the active AC voltage and outputs a
phase-shifted voltage that crosses zero volts at
predetermined times before the active AC voltage
traverses zero volts. A pulse generating circuit
10 initiates a pulse when the phase-shifted voltage enters a
predefined voltage region and terminates the pulse when
the voltage exits that region. An input signal is strobed
onto the control input of the relay by the pulse so that
the relay changes state coincident with the zero crossing
15 of the active AC voltage.

LBO/mdm/261226